

Claims

1. A device for cleaning the hull outside (3) of a boat (2) consisting of a longish float (5) with a stick (11) fixed at one end of the float (5), whereby at least one cleaning means (7) provided with a brush (25) is placed preferably replaceable on a flat side (8) of the float (5), wherein the brush (25) has respectively a base or such a retaining body (29) from which bristles (31) fixed on the body (29) extend partially inclined by forming an angle (β) with the surface (30) of the body (29), characterized in that, the bristles (31) extend under an angle (β) between approximately 100° and 145° , preferably to the surface (30) of the body (29), wherein an angle (β) between approximately 110° and approximately 135° , wherein the bristles (31) have different angles (β), in particular are partially vertical and partially oblique to the body, wherein the oblique bristles (31) are assembled in transverse direction to rows which have different angles (β) such that a roof-type contour with a projecting edge is configured in scrubbing direction, wherein the bristles (31) have different lengths, wherein the length of the bristles (31) increases or is reduced in the direction of extension (E) of the front side of the surface (30) of the body (29), and wherein the free ends of the bristles (31) of the brushes (25) form a generating curve (32) which has at least three corners (43), wherein the cross section of the generating curve (32) forms an irregular pentagon.
2. Device according to claim 1, characterized by a length of the bristles (31) of approximately 10 mm to approximately 70 mm.

3. Device according to any of the claims 1 to 2, characterized in that the bristles (31) have a diameter of approximately 0,2 mm to approximately 0,5 mm.
4. Device according to any of the claims 1 to 3, characterized in that the bristles (31) are wired with the body (29).
5. Device according to any of the claims 1 to 4, characterized in that two brushes (25) or more are provided spaced from each other.
6. Device according to any of the claims 1 to 5, characterized in that at least two brushes (25) are configured with a different size.
7. Device according to any of the claims 1 to 6, characterized in that a base plate (10) provided with a connecting element (12) is placed on the flat side (8) of the float (5) opposite to the cleaning means (7).
8. Device according to claim 7, characterized in that the brushes can be screwed with the cleaning means (7) or the base plate (10).
9. Device according to claim 7 or 8, characterized in that the handle (11) is fixed on the base plate (10) by being offset to the float (5).
10. Device according to claim 9, characterized in that the offset between the base plate (10) and the handle (11) is of 5° to 10°, preferably of 7°.

11. Device according to any of the claims 1 to 10, characterized in that the base (29) has a shape with a cuneiform cross section, whereby the surface out of which the bristles (31) come is placed inclined with an angle (α) between approximately $2,5^\circ$ and approximately 30° , preferably 5° and 15° .
12. Device according to claim 11, characterized in that the base (29) has a triangular cross section.
13. Device according to claim 11, characterized in that the base (2) has a trapezoid cross section.
14. Device according to claim 7, characterized in that the float (5) and the handle (11) are swivellable against each other over the connecting element (12) and the connecting element (12) is configured as a hinge joint (14).
15. Device according to claim 14, characterized in that the hinge joint (14) is a ball-and-socket joint.
16. Device according to claim 15, characterized in that a joint ball is configured at the hinge sided end of the stick (11), ball which can be inserted in a bearing shell configured on the base plate (10).
17. Device according to claim 16, characterized in that the hinge joint (14) has two articulated axles (15) placed at a right angle to each other.
18. Device according to claim 17, characterized in that the hinge joint (14) is configured as an universal joint.

19. Device according to any of the claims 1 to 18, characterized in that the float (5) is divided into areas with a different buoyancy over its length, preferably by reduction or increase in size of the pore volume and/or different chamber configuration.
20. Device according to any of the claims 1 to 19, characterized in that a peripheral bead (18) made of the material of the float (5) is configured on the flat side (8) of the float (5) provided with the base plate (10).
21. Device according to any of the claims 1 to 20, characterized in that at least one body (19) fillable with a gas, in particular with air, is embedded into the material of the float (5).
22. Device according to claim 21, characterized in that the body (19) fillable with gas is configured as an inflatable hose.
23. Device according to claim 21 or 22, characterized in that the body (19) fillable with gas is placed in the area of the peripheral bead (18).
24. Device according to any of the claims 21 to 23, characterized in that the body (19) fillable with gas can be charged with the gas over an admission and discharge valve (21) placed on the handle (11), in particular on the handle part (11a) of the handle (11).

25. Device according to claim 24, characterized in that the body (19) fillable with gas can be manually inflated by the admission and discharge valve (21).
26. Device according to at least one of the claims 1 to 25, characterized in that the handle (11) has at least one lockable hinge (16).
27. Device according to at least one of the claims 1 to 26, characterized in that the handle (11) is slidable and extendable in the manner of a telescope.
28. Device according to at least one of the claims 1 to 27, characterized in that the handle (11) is made of metal, preferably of aluminium.
29. Device according to at least one of the claims 1 to 28, characterized in that at least one tongues (5' and 5'') forming slit (9) is formed in the float (5) parallel to the flat sides (8) from the front free end.
30. Device according to claim 29, characterized in that guiding elements (22) are placed on the surfaces of the tongues (5' and 5'') turned to each other.
31. Device according to claim 30, characterized in that at least one groove (23) is configured in one of the tongues (5', 5'') and at least one vault (24) engaging into the groove (23) is configured on the respectively other tongue (5', 5'') for forming the guiding elements (22).

32. Device according to claim 31, characterized in that the at least one vault (24) is formed of the material of the respective tongue (5', 5").
33. Device according to claim 31, characterized in that the at least one vault (24) is made of a material inserted in the respective tongue (5', 5"), preferably of rubber.
34. Device according to at least one of the claims 1 to 33, characterized in that the front end of the float (5) and of the cleaning means (7) are configured rounded.
35. Device according to at least one of the claims 1 to 34, characterized in that a sliding part (27) can be put onto the front end of the float (5) for the adaptation to sharp contour transitions.
36. Device according to claim 35, characterized in that the sliding part (27) has the shape of an asymmetrical triangle and is lockable in different positions on the float (5).